

INTRODUCTION FOR THE HEAVY VEHICLE SYSTEM TECHNOLOGIES PANEL

The Heavy Vehicles Systems Technology (HVST) section of the OHVT has been assigned technical purview where only limited DOE R&D activities pre-existed the recent reorganization of the OTT. The technical areas to be addressed by HVST include all the non-engine parasitic energy losses of the heavy truck considered as a total system. These include such considerations as energy loss from aerodynamic drag, rolling resistance, excess system weight, brakes and braking systems, and auxiliary on-board systems. Thus, the first task for HVST is to determine, in conjunction with knowledgeable industry representatives, what are the major technical problem areas, their relative cost-benefit relationships to facilitate their programmatic prioritization, and to identify broadly what the potential solutions to those technical problems might be within the framework of OTT's and OHVT's missions in regard to increased energy efficiency for heavy vehicles.

For this CCM, expert panelists have been assembled, each of whom will briefly summarize the state-of-the art in his or her area of expertise related to the categories above and will suggest what he or she views as the important technical problems to be addressed in this area. Attendees will have the opportunity to comment on, add to, or differ with the presentations within the spirit of constructive technical dialogue and with a view for adding focus and dimension to OHVT's ongoing formulation of this new program.